WHAT IS CLAIMED IS:

1. An immunoassay for determining an HIV protease inhibitor in a sample comprising the steps of:

(a) combining a sample suspected of containing said protease inhibitor with a receptor specific for said inhibitor and a conjugate comprising a ligand of said inhibitor and a non-isotopic signal generating moiety,

(b) measuring the amount of said receptor bound to said conjugate by monitoring the production of signal generated by said moiety, and

(c) correlating said production of signal with the presence or amount of said inhibitor in said sample.

2. The method of claim 1, wherein said receptor is selected from the group consisting of antibodies, antibody fragments and antibody derivatives.

3. The method of claim 1, wherein said protease inhibitor is selected from the group consisting of saquinavir, amprenavir, indinavir, nelfinavir and ritonavir.

4. The method of claim 1, wherein said receptor is bound either directly or indirectly to a solid phase.

5. The method of claim 1, wherein said signal generating moiety is selected from the group consisting of enzymes, fluorogenic compounds, chemiluminescent materials, electrochemical mediators, particles, reporter groups, enzyme inhibitors, and polypeptide carriers.

6. A non-isotopic immunoassay for determining an HIV protease inhibitor in a sample comprising the steps of:

(a) combining a sample suspected of containing said protease inhibitor with a conjugate comprising a ligand of said protease inhibitor and mycophenolic acid, a receptor specific for said protease inhibitor, IMP, NAD and IMPDH,

(b) monitoring the production of NADH, and

(c) correlating the production of NADH with the presence or amount of said protease inhibitor in said sample.

7. A test kit for determining an HIV protease inhibitor in a sample comprising in packaged combination:

(a) a receptor specific for said inhibitor and

(b) a conjugate comprising a ligand of said inhibitor and a non-isotopic signal generating moiety.

8. The test kit of claim 7, wherein said receptor is selected from the group consisting of antibodies, antibody fragments and antibody derivatives.

9. The test kit of claim 7, wherein said protease inhibitor is selected from the group consisting of saquinavir, amprenavir, indinavir, nelfinavir and ritonavir.

10. The test kit of claim 7, wherein said receptor is bound either directly or indirectly to a solid phase.

11. The test kit of claim 7, wherein said signal generating moiety is selected from the group consisting of enzymes, fluorogenic compounds, chemiluminescent materials, electrochemical mediators, particles, reporter groups, enzyme inhibitors, and polypeptide carriers.